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ATTORNEY'S DKT NO.
033352-007APPLICATION NO.
09/685,010INFORMATION DISCLOSURE
STATEMENT BY APPLICANTAPPLICANT
Turley, et al.FILING DATE
October 5, 2000GROUP
1615

DEC 10 2001

TECH CENTER 1600/2800


U.S. PATENT DOCUMENTS

Examiner Initials	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication (MM-DD-YYYY)
	Number	Kind Code (if known)		
SWL	09/544,522		Turley, et al.	filed: 43/00

FOREIGN PATENT DOCUMENTS

Examiner Initials	Foreign Patent Document		Country	Date of Publication (MM-DD-YYYY)	Translation	
	Number	Kind Code (if known)			Yes	no
SWL	WO 93/21312		PCT	10/28/93		
SWL	WO 00/01841		PCT	1/13/00		
SWL	WO 00/29447		PCT	5/25/00		
SWL	EP 0 721 012		Europe	7/10/96		
SWL	EP 0 950 708		Europe	10/20/99		

NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Include name of author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		
SWL	Chao, et al., "The characterization of a human RHAMM cDNA: conservation of they hyaluronan-binding domains", <i>Gene</i> , Vol. 174, No. 2, (1996), pp. 299-306.		
SWL	Jean, et al., "Unmasking a Hyaluronan-binding site of the BX7B type in the H3 heavy chain of the inter-alpha-inhibitor family", <i>European Journal of Biochemistry</i> , Vol. 268, No. 3, (1 Feb. 2001), pp. 544-553.		
SWL	Volker, et al., " The human hyaluron receptor RHAMM is expressed as an intracellular protein in breast cancer cells", <i>J. Cell Science</i> , Vol. 111, (1998), pp. 1685-1694.		
SWL	International Search Report of 8/22/2001 in PCT Application No. PCT/I00/01534 (copending application)		
Examiner Signature		Date Considered	12-12-2003

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. SEND TO: Assistant Commissioner for Patents, Washington, D.C. 20231.



Sheet 1 of 10

FORM PTO-1449
(REV.7-80)U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.
910130.401C1APPLICATION NO.
09/685,010

INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

APPLICANTS

Eva A. Turley and Tony F. Cruz

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U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
swl	AA	4,018,884	4/19/77	Cleeland, Jr. et al.	424	7	
	AB	4,359,535	11/16/82	Pieczenik	435	317	
	AC	4,376,110	3/8/83	David et al.	436	513	
	AD	4,411,993	10/25/83	Gillis	435	68	
	AE	4,486,530	12/4/84	David et al.	435	7	
	AF	4,528,266	7/9/85	Pieczenik	435	6	
	AG	4,543,439	9/24/85	Frackelton, Jr. et al.	935	92	
	AH	4,551,433	11/5/85	DeBoer	435	253	
	AI	4,603,112	7/29/86	Paoletti et al.	435	235	
swl	AJ	4,736,866	4/12/88	Leder et al.	800	1	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION	
					YES	NO
swl	AK	EP 0360257 B1	11/13/96	EPO ✓		
	AL	EP 0415731 A2	3/6/91	EPO ✓		
	AM	EP 0440219 A1	8/7/91	EPO ✓		
	AN	EP 0612844 A2	8/31/94	EPO ✓		
swl	AO	WO 89/01973	3/9/89	WIPO ✓		

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

swl	AP	Alting-Mees et al., "Monoclonal Antibody Expression Libraries: A Rapid Alternative to Hybridomas," <i>Strategies in Molecular Biology</i> 3: 1-9, 1990.
swl	AQ	Bauer et al., "A genetic enrichment for mutations constructed by oligodeoxynucleotide-directed mutagenesis," <i>Gene</i> 37: 73-81, 1985.
swl	AR	Bird et al., "Single-Chain Antigen-Binding Proteins," <i>Science</i> 242(4877): 423-426, 1988.

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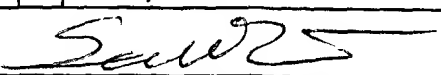
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
swl	BA	4,744,981	5/17/88	Pavanasasivam	424	85	
	BB	4,745,051	5/17/88	Smith et al.	435	68	
	BC	4,769,330	9/6/88	Paoletti et al.	435	172.3	
	BD	4,816,597	3/28/89	Snyder, II, deceased et al.	560	25	
	BE	4,851,341	7/25/89	Hopp et al.	435	68	
	BF	4,870,009	9/26/89	Evans et al.	435	70	
	BG	4,873,191	10/10/89	Wagner et al.	435	172.3	
	BH	4,897,255	1/30/90	Fritzberg et al.	424	1.1	
	BI	4,902,614	2/20/90	Wakabayashi et al.	435	7	
swl	BJ	4,987,071	1/22/91	Cech et al.	435	91	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION	
					YES	NO
swl	BK	WO 90/02809	3/22/90	WIPO ✓		
	BL	WO 90/07936	7/26/90	WIPO ✓		
	BM	WO 90/07862	7/26/90	WIPO ✓		
	BN	WO 91/00285	1/10/91	WIPO ✓		
swl	BO	WO 92/06693	4/30/94	WIPO ✓		

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

swl	BP	Brinster et al., "Factors affecting the efficiency of introducing foreign DNA into mice by microinjecting eggs," <i>PNAS</i> 82(13): 4438-4442, July, 1985. ✓
swl	BQ	Chothia et al., "Domain Association in Immunoglobulin Molecules. The Packing of Variable Domains," <i>Journal of Molecular Biology</i> 186(3): 651-663, 1985. ✓
swl	BR	Craik et al., "Use of Oligonucleotides for Site-Specific Mutagenesis," <i>BioTechniques</i> 3(1): 12-19, 1985. ✓

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swl	CA	4,988,496	1/29/91	Srinivasan et al.	424	1.1	
	CB	5,017,487	5/21/91	Stunnenberg et al.	435	172.3	
	CC	5,087,571	2/11/92	Leder et al.	435	240.2	
	CD	5,091,309	2/25/92	Schlesinger et al.	435	69.1	
	CE	5,106,951	4/21/92	Morgan, Jr. et al.	530	391.9	
	CF	5,110,833	5/5/92	Mosbach	521	50	
	CG	5,162,215	11/10/92	Bosselman et al.	435	172.3	
	CH	5,166,057	11/24/92	Palese et al.	435	69.1	
	CI	5,169,784	12/8/92	Summers et al.	435	320.1	
swl	CJ	5,175,383	12/29/92	Leder et al.	800	2	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION	
					YES	NO
swl	CK	WO 92/15679	9/17/92	WIPO		
	CL	WO 92/15677	9/17/92	WIPO		
	CM	WO 93/25698	12/23/93	WIPO		
	CN	WO 93/25234	12/23/93	WIPO		
swl	CO	WO 93/20242	10/14/93	WIPO		

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

swl	CP	Curiel et al., "High-Efficiency Gene Transfer Mediated by Adenovirus Coupled to DNA-Polylysine Complexes," <i>Human Gene Therapy</i> 3(2): 147-154, 1992.
swl	CQ	Drinkwater and Klinedinst, "Chemically induced mutagenesis in a shuttle vector with a low-background mutant frequency," <i>PNAS</i> 83(10): 3402-3406, May, 1986.
swl	CR	Fisher-Hoch et al., "Protection of rhesus monkeys from fatal Lassa fever by vaccination with a recombinant vaccinia virus containing the Lassa virus glycoprotein gene," <i>PNAS</i> 86(1): 317-321, January, 1989.

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U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
swl	DA	5,175,384	12/29/92	Krimpenfort et al.	800	2	
	DB	5,204,244	4/20/93	Fell et al.	435	69.6	
	DC	5,217,879	6/8/93	Huang et al.	435	69.1	
	DD	5,219,740	6/15/93	Miller et al.	435	69.6	
	DE	5,221,778	6/22/93	Byrne et al.	800	2	
	DF	5,225,539	7/6/93	Winter	530	387.3	
	DG	5,242,687	9/7/93	Tykocinski et al.	424	93	
	DH	5,243,041	9/7/93	Fernandez-Pol	536	23.5	
	DI	5,254,678	10/19/93	Haseloff et al.	536	23.2	
swl	DJ	5,266,317	11/30/93	Tomalski et al.	424	93 T	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION	
					YES	NO
swl	DK	WO 93/10218	5/27/93	WIPO		
	DL	WO 93/11230	6/10/93	WIPO		
	DM	WO 93/12227	6/24/93	WIPO		
	DN	WO 94/03622	2/17/94	WIPO		
swl	DO	WO 95/24929	9/21/95	WIPO		

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

swl	DP	Flexner et al., "Attenuation and immunogenicity in primates of vaccinia virus recombinants expressing human interleukin-2," <i>Vaccine</i> 8(1): 17-21, February, 1990.
swl	DQ	Forster and Symons, "Self-Cleavage of Plus and Minus RNAs of a Virusoid and a Structural Model for the Active Sites," <i>Cell</i> 49(2): 211-220, April 24, 1987.
swl	DR	Gerlach et al., "Construction of a plant disease resistance gene from the satellite RNA of tobacco ringspot virus," <i>Nature</i> 328(6133): 802-805, August, 1987.

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*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
swl	EA	5,288,514	2/22/94	Ellman	427	2	
	EB	5,288,641	2/22/94	Roizman	435	320.1	
	EC	5,328,834	7/12/94	Ngo et al.	435	68.1	
	ED	5,347,075	9/13/94	Sorge	800	2	
	EE	5,359,051	10/25/94	Cook et al.	536	26.7	
	EF	5,387,742	2/7/95	Cordell	800	2	
	EG	5,395,750	3/7/95	Dillon et al.	435	5	
	EH	5,463,564	10/31/95	Agrafiotis et al.	364	496	
	EI	5,482,856	1/9/96	Fell, Jr. et al.	435	320.1	
swl	EJ	5,506,337	4/9/96	Summerton et al.	528	391	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION	
					YES	NO
swl	EK	WO 95/24186	9/14/95	WIPO		
	EL	WO 95/16918	6/22/95	WIPO		
	EM	WO 95/16712	6/22/95	WIPO		
	EN	WO 95/16209	6/15/95	WIPO		
swl	EO	WO 95/12387	5/11/95	WIPO		

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

swl	EP	Hammer et al., "Production of transgenic rabbits, sheep and pigs by microinjection," <i>Nature</i> 315: 680-683, June 20, 1985.
swl	EQ	Haseloff and Gerlach, "Simple RNA enzymes with new and highly specific endoribonuclease activities," <i>Nature</i> 334(6183): 585-591, August 18, 1988.
swl	ER	Heijne, Gunner von, "Signal Sequences, The Limits of Variation," <i>Journal of Molecular Biology</i> 184(1): 99-105, 1985.

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swl	FA	5,545,808	8/13/96	Hew et al.	800	2	
	FB	5,567,607	10/22/96	Zhao et al.	435	172.1	
	FC	5,580,859	12/3/96	Felgner et al.	514	44	
	FD	5,591,624	1/7/97	Barber et al.	435	240.2	
	FE	5,633,076	5/27/97	DeBoer et al.	435	172.3	
	FF	5,693,761	12/2/97	Queen et al.	536	23.53	
	FG	5,693,762	12/2/97	Queen et al.	530	387.3	
	FH	5,698,435	12/16/97	Robinson et al.	435	240.2	
	FI	5,716,613	2/10/98	Guber et al.	424	93.2	
swl	FJ	5,716,826	2/10/98	Gruber et al.	435	320.1	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION	
					YES	NO
swl	FK	WO 95/10607	4/20/95	WIPO ✓		
	FL	WO 95/04277	2/9/95	WIPO ✓		
	FM	WO 95/02566	1/26/95	WIPO ✓		
	FN	WO 95/30642	11/16/95	WIPO ✓		
swl	FO	WO 96/00148	1/4/96	WIPO ✓		

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

swl	FP	Hirashima et al., <i>Molecular Biology of RNA: New Perspectives</i> , Academic Press, Inc., San Diego, CA, 1987, Chapter 26, "A New Immune System against Viral Infection Using Antisense RNA: micRNA-Immune System," pp. 401-413. ✓
swl	FQ	Hopp et al., "A Short Polypeptide Marker Sequence Useful For Recombinant Protein Identification and Purification," <i>BioTechnology</i> 6(10): 1204-1210, October, 1988. ✓
swl	FR	Horwitz et al., "Selection of new biological activities from random nucleotide sequences: evolutionary and practical considerations," <i>Genome</i> 3: 112-117, 1989. ✓

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swl	GA	5,716,832	2/10/98	Barber et al.	435	172.3	
	GB	5,741,957	4/21/98	Deboer et al.	800	2	
	GC	5,770,380	6/23/98	Hamilton et al.	435	7.1	
	GD	5,780,009	7/14/98	Karatzas et al.	424	9.1	
	GE	5,780,225	7/14/98	Wigler et al.	435	6	
	GF	5,789,245	8/4/98	Dubensky, Jr. et al.	435	320.1	
	GG	5,814,482	9/29/98	Dubensky, Jr. et al.	435	69.3	
	GH	5,817,491	10/6/98	Yee et al.	435	172.3	
	GI	5,840,479	11/24/98	Little et al.	435	5	
swl	GJ	5,843,723	12/1/98	Dubensky, Jr. et al.	435	69.3	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION	
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swl	GK	WO 97/38098	10/16/97	WIPO		
swl	GL	WO 99/01164	1/14/99	WIPO		

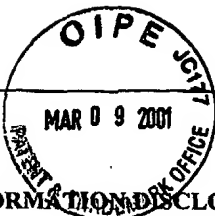
OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

swl	GP	Huse et al., "Generation of a Large Combinatorial Library of the Immunoglobulin Repertoire in Phage Lambda," <i>Science</i> 246(4935): 1275-1281, December, 1989.
swl	GQ	Inman, "Covalent Linkage of Functional Groups, Ligands, and Proteins of Polyacrylamide Beads," <i>Methods in Enzymology</i> , Vol. 34, Affinity Techniques, Enzyme Purification: Part B. Jakoby and Wilchek (eds.), Academic Press, New York, 1974, pp. 30-59.
swl	GR	Jones et al., "Replacing the complementarity-determining regions in a human antibody with those from a mouse," <i>Nature</i> 321: 522-525, May 29, 1986.

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swl	HA	5,849,288	12/15/98	Reisner	424	93.21	
	HB	5,851,529	12/22/98	Guber et al.	424	188.1	
	HC	5,872,005	2/16/99	Wang et al.	435	320.1	
swl	HD	RE 32,011	10/22/85	Zimmerman et al.	260	112 B	

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					YES	NO
	HE					

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

swl	HF	Kit, Saul, "Recombinant-Derived Modified-Live Herpesvirus Vaccines," <i>Adv. Exp. Med. Biol.</i> 215: 219-235, 1989.
	HG	Köhler and Milstein, "Continuous cultures of fused cells secreting antibody of predefined specificity," <i>Nature</i> 256(5517): 495-497, August 7, 1975.
	HI	Kyte and Doolittle, "A Simple Method for Displaying the Hydropathic Character of a Protein," <i>Journal of Molecular Biology</i> 157(1): 105-132, 1982.
	HJ	Look et al., "The Identification of Cyclooxygenase-1 Inhibitors From 4-Thiazolidinone Combinatorial Libraries," <i>Bioorganic and Medicinal Chemistry Letters</i> 6(6): 707-712, 1996.
	HK	Luytjes et al., "Amplification, Expression, and Packaging of a Foreign Gene by Influenza Virus," <i>Cell</i> 59: 1107-1113, December 22, 1989.
	HL	Liao and Wise, "A simple high-efficiency method for random mutagenesis of cloned genes using forced nucleotide misincorporation," <i>Gene</i> 88: 107-111, 1990.
	HM	McMichael et al., "Cytotoxic T-Cell Immunity To Influenza," <i>The New England Journal of Medicine</i> 309(1): 13-17, 1983.
	HN	Morrison et al., "Chimeric human antibody molecules: Mouse antigen-binding domains with human constant region domains," <i>PNAS</i> 81(21): 6851-6855, November 1984.
swl	HO	Moss and Flexner, "Vaccinia Virus Expression Vectors," <i>Annals of the New York Academy of Sciences</i> 569: 86-103, 1989.

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IB				

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SUL	IC	Mulligan et al., "Synthesis of rabbit β -globin in cultured monkey kidney cells following infection with a SV40 β -globin recombinant genome," <i>Nature</i> 277: 108-114, January, 1979.
	ID	Novotný and Haber, "Structural invariants of antigen binding: Comparison of immunoglobulin V _L -V _H domain dimers," <i>PNAS</i> 82(14): 4592-4596, July, 1985.
	IE	Palmiter et al., "Metallothionein-Human GH Fusion Genes Stimulate Growth of Mice," <i>Science</i> 222(4625): 809-814, November, 1983.
	IF	Palmiter and Brinster, "Transgenic Mice," <i>Cell</i> 41(2): 343-345, June, 1985.
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	IH	Poznansky et al., "Gene Transfer into Human Lymphocytes by a Defective Human Immunodeficiency Virus Type 1 Vector," <i>Journal of Virology</i> 65(1): 532-536, January, 1991.
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SW	IM	Scatchard et al., "The Attractions of Proteins for Small Molecules and Ions," <i>Annals of The New York Academy of Sciences</i> 51(4): 660-673, 1949.

EXAMINER

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INFORMATION DISCLOSURE STATEMENT

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APPLICANTS

Eva A. Turley and Tony F. Cruz

FILING DATE

October 5, 2000

GROUP ART UNIT

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
JA						

FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION	
			YES	NO
JB				

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

SWL	JC	Smith and Gillam, "Constructed Mutants Using Synthetic Oligodeoxyribonucleotides as Site-Specific Mutagens," <i>Genetic Engineering</i> 3:1-32, 1981.
	JD	Stein and Cheng, "Antisense Oligonucleotides as Therapeutic Agents-Is the Bullet Really Magical?" <i>Science</i> 261(5124): 1004-1012, August 20, 1993.
	JE	Walbot and Bruening, "Plant development and ribozymes for pathogens," <i>Nature</i> 334(6179): 196-197, July 21, 1988.
	JF	Walder and Walder, "Oligodeoxynucleotide-directed mutagenesis using the yeast transformation system," <i>Gene</i> 42: 133-139, 1986.
	JG	Wang et al., "The Overexpression of RHAMM, a Hyaluronan-binding Protein That Regulates ras Signaling, Correlates with Overexpression of Mitogen-activated Protein Kinase and Is a Significant Parameter in Breast Cancer Progression," <i>Clinical Cancer Research</i> 4(3): 567-576, March, 1998.
	JH	Wilchek and Bayer, "The Avidin-Biotin Complex in Bioanalytical Applications," <i>Analytical Biochemistry</i> 171: 1-32, 1988.
	JI	Wu et al., "Targeting Genes: Delivery and Persistent Expression of a Foreign Gene Driven by Mammalian Regulatory Elements <i>in Vivo</i> ," <i>The Journal of Biological Chemistry</i> 264(29): 16985-16987, October 15, 1989.
SWL	JK	Yap and Ada, "Transfer of specific cytotoxic T lymphocytes protects mice inoculated with influenza virus," <i>Nature</i> 273: 238-239, May 18, 1978.

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